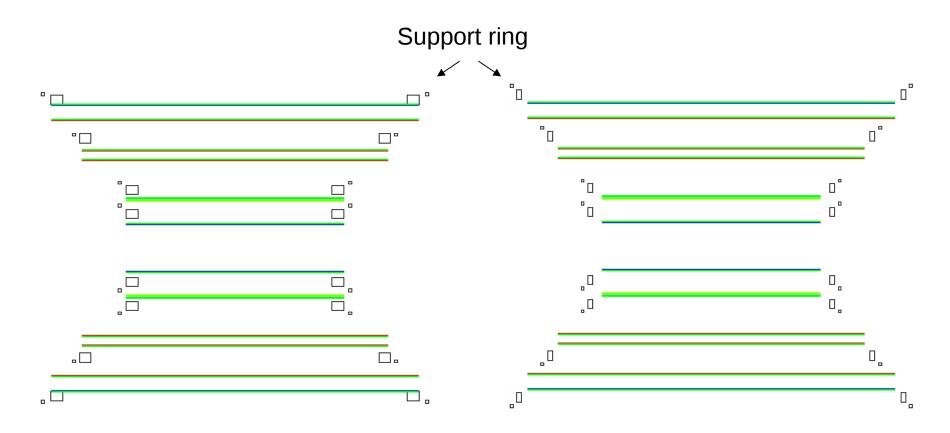
SVX Simulation Status

Maki Kurosawa (RIKEN) for the PHENIX Collaboration

1st Dec, 2008

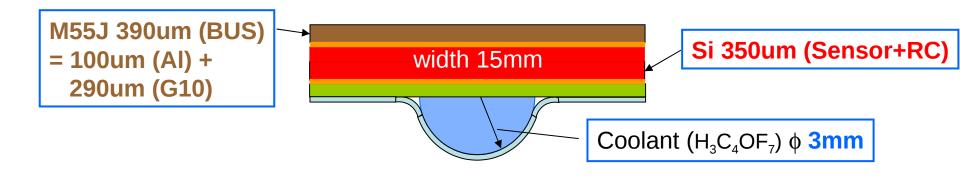
Support Ring

Support ring was moved out in z to correspond to the current best-known positions.



Modification of BUS material for Pixel Layer

BUS: G10 (radl:19.4) \rightarrow Polyimide (radl:28.6)

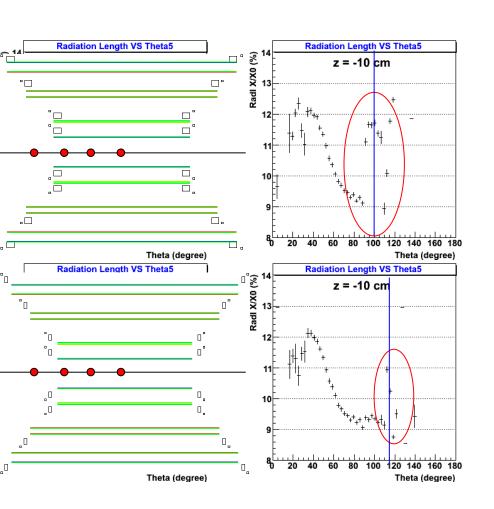


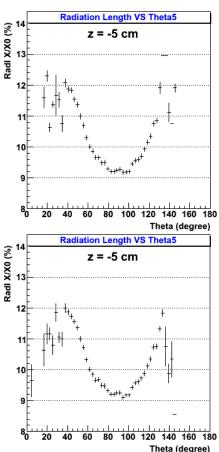
Material (radl(cm))	Radiation Length (%)
Al (radl:8.9)	0.11 (100um)
G10 (radl:19.4) → polyimide (radl:28.6)	0.15 (290um) → 0.11 (290um)
Resin (radl:35.5)	0.06 (100+100um)
Si (radl:9.36)	0.37 (200um+150um)
Carbon Fiber (radl:26.6)	0.11 (300um)
M55J (radl:25.86)	0.19 (500um)
$H_3C_4OF_7$ (radl:30.84) (ϕ 2mm $\rightarrow \phi$ 3mm)	average 0.31 (940um)
Sum	1.30 → 1.26

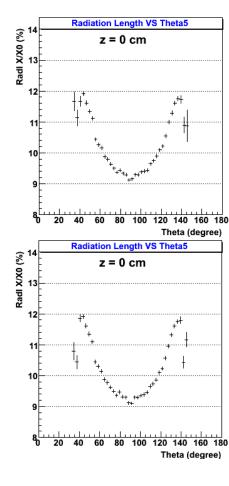
total = 1.26 (%)

NOT applying acceptance cut.

0 < theta (degree) < 180 0 < phi (degree) < 360 -15 < Vertex_z (cm) < 0

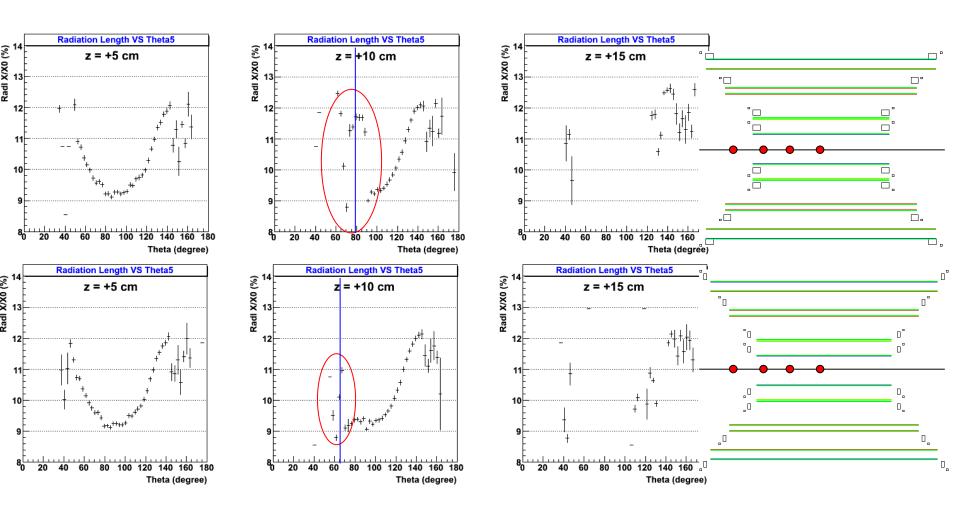






NOT applying acceptance cut.

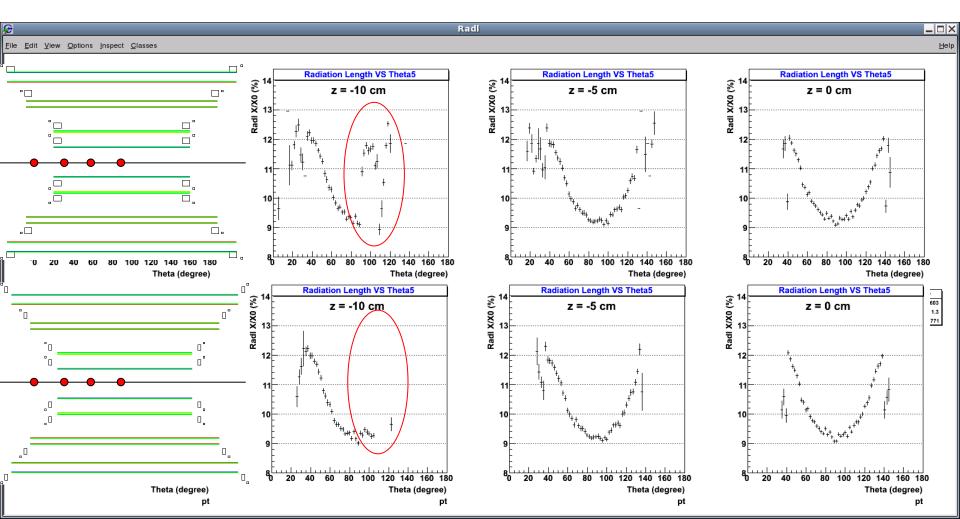
0 < theta (degree) < 180 0 < phi (degree) < 360 +5 < Vertex_z (cm) < +15



back up slides

NOT applying acceptance cut.

0 < theta (degree) < 180 0 < phi (degree) < 360 -15 < Vertex_z (cm) < 0



NOT applying acceptance cut.

0 < theta (degree) < 180 0 < phi (degree) < 360 +5 < Vertex_z (cm) < +15

